

# Practice 8-5

## Proportions in Triangles

Use the figure at the right to complete each proportion.

1.  $\frac{AD}{DG} = \frac{?}{EH}$

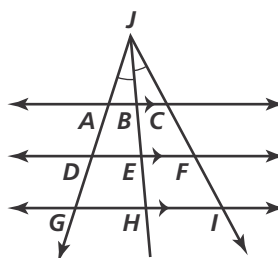
2.  $\frac{CF}{BE} = \frac{FI}{?}$

3.  $\frac{JA}{JC} = \frac{AB}{?}$

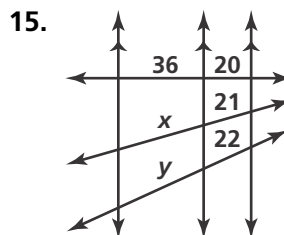
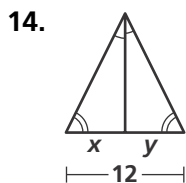
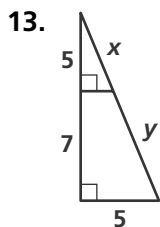
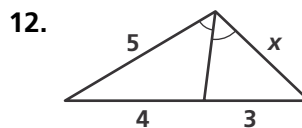
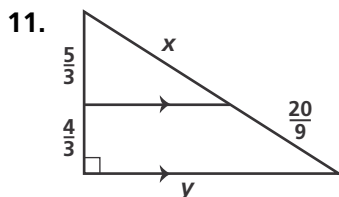
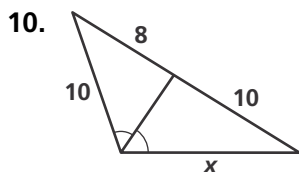
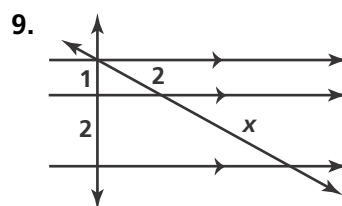
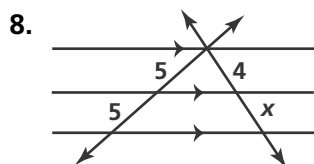
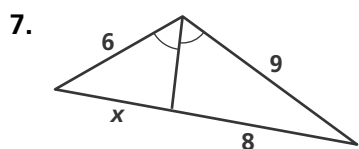
4.  $\frac{JF}{FE} = \frac{?}{DE}$

5.  $\frac{GH}{HI} = \frac{?}{?}$

6.  $\frac{AD}{AG} = \frac{?}{BH}$



**Algebra** Find the values of the variables.



**Algebra** Solve for  $x$ .

